

Please type a plus sign (+) inside this box → ☐

PTO/SB/05 (12/97)

Approved for use through 09/30/00. OMB 0651-0032


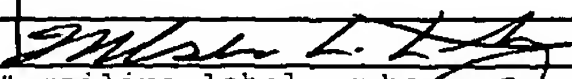
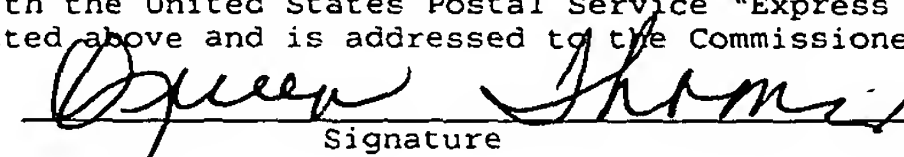
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only) for new nonprovisional applications under 37 CFR 1.53(b)</small>	Attorney Docket No. X-11666C	
	First Named Inventor or Application Identifier	
	Douglas James Allen et al	
	Express Mail Label No.	

Application Elements See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Commissioner for Patents Mail Stop Patent Application P.O. Box 1450 Alexandria, VA 22313-1450
1. <input checked="" type="checkbox"/> Fee Transmittal Form (Submit an original, and a duplicate for fee processing)	6. <input type="checkbox"/> Microfiche Computer Program (Appendix)
2. <input checked="" type="checkbox"/> Specification (preferred arrangement set forth below) [Total Pages 68] - Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to Microfiche Appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claims - Abstract of the Disclosure	7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Copy b. <input type="checkbox"/> Paper Copy (identical to computer copy) c. <input type="checkbox"/> Statement verifying identity of above copies
3. <input type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets <input type="checkbox"/>] 4. <input type="checkbox"/> Oath or Declaration [Total Pages 6] a. <input type="checkbox"/> Newly executed (original or copy) b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed) [Note Box 5 below] i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	ACCOMPANYING APPLICATION PARTS 8. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 9. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney 10. <input type="checkbox"/> English Translation Document (if applicable) 11. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 12. <input checked="" type="checkbox"/> Preliminary Amendment 13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 14. <input type="checkbox"/> Small Entity Statement filed in prior application, Status still proper and desired 15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. <input type="checkbox"/> Other:
5. <input checked="" type="checkbox"/> Incorporation By Reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.	

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:		
<input checked="" type="checkbox"/> Continuation	<input type="checkbox"/> Divisional	Continuation-in-part (CIP) of prior application No: <u>This is a continuation application of US Application Serial No. 10/136,887, filed May 1, 2002 which is a continuation application of US Application Serial No 09/509,757, filed March 29, 2000 which is a 371 of PCT/US98/20426 filed September 30, 1998 which claims priority to US Provisional Application No. 60/060,493 filed September 30, 1997</u>

18. CORRESPONDENCE ADDRESS					
Customer Number or Bar Code Label			or		Correspondence address below
Eli Lilly and Company					
ADDRESS			 25885 PATENT TRADEMARK OFFICE		
CITY	Indianapolis	STATE	Indiana	ZIP CODE	46206-6288
COUNTRY	U.S.A.	TELEPHONE	317-276-1207	FAX	317-276-3861
SUBMITTED BY			Complete (if applicable)		
Typed or Printed Name NELSEN L. LENTZ			Reg. Number 38,537		
Signature 			Date 6/30/03		
"Express Mail" mailing label number 7-3603			EL230529738US		
Date of Deposit					
I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.					
Printed Name DUGAN THOMAS			Signature 		

Please type a plus sign (+) inside this box → ☐

PTO/SB/17 (12/97)

Approved for use through 09/30/00. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL				Complete if Known																																																																																																																																																																																																																																																																																							
<p>Note: Effective November 10, 1997. Patent fees are subject to annual revision.</p> <p>TOTAL AMOUNT OF PAYMENT (\$)750.00</p> <p>METHOD OF PAYMENT (check one)</p> <p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:</p> <p>Deposit Account Number: 05-0840</p> <p>Deposit Account Name: Eli Lilly and Company</p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance</p> <p>2. <input type="checkbox"/> Payment Enclosed:</p> <p><input type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p> <p style="text-align: center;">FEE CALCULATION</p> <table border="1" style="width:100%;"><thead><tr><th>Large Fee Code</th><th>Entity Fee (\$)</th><th>Small Fee Code</th><th>Entity Fee (\$)</th><th>Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>101</td><td>750</td><td>201</td><td>375</td><td>Utility filing fee</td><td>750</td></tr><tr><td>106</td><td>330</td><td>206</td><td>165</td><td>Design filing fee</td><td></td></tr><tr><td>107</td><td>520</td><td>207</td><td>260</td><td>Plant filing fee</td><td></td></tr><tr><td>108</td><td>750</td><td>208</td><td>375</td><td>Reissue filing fee</td><td></td></tr><tr><td>114</td><td>160</td><td>214</td><td>80</td><td>Provisional filing fee</td><td></td></tr><tr><td colspan="5">SUBTOTAL (1)</td><td>(\$)750.00</td></tr></tbody></table> <p>2. CLAIMS</p> <table border="1" style="width:100%;"><thead><tr><th>Large Fee Code</th><th>Entity Fee (\$)</th><th>Small Fee Code</th><th>Entity Fee (\$)</th><th>Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td><td></td></tr><tr><td>102</td><td>84</td><td>202</td><td>42</td><td>Independent claims in excess of 3</td><td></td></tr><tr><td>104</td><td>280</td><td>204</td><td>140</td><td>Multiple dependent claim</td><td></td></tr><tr><td>109</td><td>84</td><td>209</td><td>42</td><td>Reissue independent claims over original patent</td><td></td></tr><tr><td>110</td><td>18</td><td>210</td><td>9</td><td>Reissue claims in excess of 20 and over original patent</td><td></td></tr></tbody></table> <p>SUBTOTAL (2) (\$)0.00</p> <p><small>**or number previously paid, if greater; For Reissues, see above</small></p>				Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Description	Fee Paid	101	750	201	375	Utility filing fee	750	106	330	206	165	Design filing fee		107	520	207	260	Plant filing fee		108	750	208	375	Reissue filing fee		114	160	214	80	Provisional filing fee		SUBTOTAL (1)					(\$)750.00	Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Description	Fee Paid	103	18	203	9	Claims in excess of 20		102	84	202	42	Independent claims in excess of 3		104	280	204	140	Multiple dependent claim		109	84	209	42	Reissue independent claims over original patent		110	18	210	9	Reissue claims in excess of 20 and over original patent		<p>3. ADDITIONAL FEES</p> <table border="1" style="width:100%;"><thead><tr><th>Large Fee Code</th><th>Entity Fee (\$)</th><th>Small Fee Code</th><th>Entity Fee (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge-late filing fee or oath</td><td></td></tr><tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge-late provisional filing fee or cover sheet.</td><td></td></tr><tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr><tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr><tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr><tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr><tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr><tr><td>116</td><td>410</td><td>216</td><td>205</td><td>Extension for reply within second month</td><td></td></tr><tr><td>117</td><td>930</td><td>217</td><td>465</td><td>Extension for reply within third month</td><td></td></tr><tr><td>118</td><td>1,450</td><td>218</td><td>725</td><td>Extension for reply within fourth month</td><td></td></tr><tr><td>128</td><td>1,970</td><td>228</td><td>985</td><td>Extension for reply within fifth month</td><td></td></tr><tr><td>119</td><td>320</td><td>219</td><td>160</td><td>Notice of Appeal</td><td></td></tr><tr><td>120</td><td>320</td><td>220</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr><tr><td>121</td><td>280</td><td>221</td><td>140</td><td>Request for oral hearing</td><td></td></tr><tr><td>136</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr><tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive-unavoidable</td><td></td></tr><tr><td>141</td><td>1,300</td><td>241</td><td>650</td><td>Petition to revive-unintentional</td><td></td></tr><tr><td>142</td><td>1,300</td><td>242</td><td>650</td><td>Utility issue fee (or reissue)</td><td></td></tr><tr><td>143</td><td>470</td><td>243</td><td>235</td><td>Design Issue Fee</td><td></td></tr><tr><td>144</td><td>630</td><td>244</td><td>315</td><td>Plant Issue Fee</td><td></td></tr><tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr><tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr><tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt.</td><td></td></tr><tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr><tr><td>146</td><td>750</td><td>246</td><td>375</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr><tr><td>149</td><td>750</td><td>249</td><td>375</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr><tr><td>179</td><td>740</td><td>279</td><td>370</td><td>Request for Continued Examination (RCE)</td><td></td></tr><tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr><tr><td colspan="5">Other fee (specify)</td><td></td></tr><tr><td colspan="5">Other fee (specify)</td><td></td></tr><tr><td colspan="5">*Reduced by Basic Filing Fee Paid</td><td></td></tr><tr><td colspan="5">SUBTOTAL (3)</td><td>(\$)0.00</td></tr></tbody></table>				Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge-late filing fee or oath		127	50	227	25	Surcharge-late provisional filing fee or cover sheet.		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for reexamination		112	920*	112	920*	Requesting publication of SIR prior to Examiner action		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for reply within first month		116	410	216	205	Extension for reply within second month		117	930	217	465	Extension for reply within third month		118	1,450	218	725	Extension for reply within fourth month		128	1,970	228	985	Extension for reply within fifth month		119	320	219	160	Notice of Appeal		120	320	220	160	Filing a brief in support of an appeal		121	280	221	140	Request for oral hearing		136	1,510	138	1,510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive-unavoidable		141	1,300	241	650	Petition to revive-unintentional		142	1,300	242	650	Utility issue fee (or reissue)		143	470	243	235	Design Issue Fee		144	630	244	315	Plant Issue Fee		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Petitions related to provisional applications		126	180	126	180	Submission of Information Disclosure Stmt.		581	40	581	40	Recording each patent assignment per property (times number of properties)		146	750	246	375	Filing a submission after final rejection (37 CFR 1.129(a))		149	750	249	375	For each additional invention to be examined (37 CFR 1.129(b))		179	740	279	370	Request for Continued Examination (RCE)		169	900	169	900	Request for expedited examination of a design application		Other fee (specify)						Other fee (specify)						*Reduced by Basic Filing Fee Paid						SUBTOTAL (3)					(\$)0.00
				Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Description	Fee Paid																																																																																																																																																																																																																																																																																		
				101	750	201	375	Utility filing fee	750																																																																																																																																																																																																																																																																																		
				106	330	206	165	Design filing fee																																																																																																																																																																																																																																																																																			
107	520	207	260	Plant filing fee																																																																																																																																																																																																																																																																																							
108	750	208	375	Reissue filing fee																																																																																																																																																																																																																																																																																							
114	160	214	80	Provisional filing fee																																																																																																																																																																																																																																																																																							
SUBTOTAL (1)					(\$)750.00																																																																																																																																																																																																																																																																																						
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Description	Fee Paid																																																																																																																																																																																																																																																																																						
103	18	203	9	Claims in excess of 20																																																																																																																																																																																																																																																																																							
102	84	202	42	Independent claims in excess of 3																																																																																																																																																																																																																																																																																							
104	280	204	140	Multiple dependent claim																																																																																																																																																																																																																																																																																							
109	84	209	42	Reissue independent claims over original patent																																																																																																																																																																																																																																																																																							
110	18	210	9	Reissue claims in excess of 20 and over original patent																																																																																																																																																																																																																																																																																							
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																																																																																																																						
105	130	205	65	Surcharge-late filing fee or oath																																																																																																																																																																																																																																																																																							
127	50	227	25	Surcharge-late provisional filing fee or cover sheet.																																																																																																																																																																																																																																																																																							
139	130	139	130	Non-English specification																																																																																																																																																																																																																																																																																							
147	2,520	147	2,520	For filing a request for reexamination																																																																																																																																																																																																																																																																																							
112	920*	112	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																																																																																																																							
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																																																																																																																							
115	110	215	55	Extension for reply within first month																																																																																																																																																																																																																																																																																							
116	410	216	205	Extension for reply within second month																																																																																																																																																																																																																																																																																							
117	930	217	465	Extension for reply within third month																																																																																																																																																																																																																																																																																							
118	1,450	218	725	Extension for reply within fourth month																																																																																																																																																																																																																																																																																							
128	1,970	228	985	Extension for reply within fifth month																																																																																																																																																																																																																																																																																							
119	320	219	160	Notice of Appeal																																																																																																																																																																																																																																																																																							
120	320	220	160	Filing a brief in support of an appeal																																																																																																																																																																																																																																																																																							
121	280	221	140	Request for oral hearing																																																																																																																																																																																																																																																																																							
136	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																																																																																																																																																							
140	110	240	55	Petition to revive-unavoidable																																																																																																																																																																																																																																																																																							
141	1,300	241	650	Petition to revive-unintentional																																																																																																																																																																																																																																																																																							
142	1,300	242	650	Utility issue fee (or reissue)																																																																																																																																																																																																																																																																																							
143	470	243	235	Design Issue Fee																																																																																																																																																																																																																																																																																							
144	630	244	315	Plant Issue Fee																																																																																																																																																																																																																																																																																							
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																																																																																																																																							
123	50	123	50	Petitions related to provisional applications																																																																																																																																																																																																																																																																																							
126	180	126	180	Submission of Information Disclosure Stmt.																																																																																																																																																																																																																																																																																							
581	40	581	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																																																																																																																							
146	750	246	375	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																																																																																																																							
149	750	249	375	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																																																																																																																							
179	740	279	370	Request for Continued Examination (RCE)																																																																																																																																																																																																																																																																																							
169	900	169	900	Request for expedited examination of a design application																																																																																																																																																																																																																																																																																							
Other fee (specify)																																																																																																																																																																																																																																																																																											
Other fee (specify)																																																																																																																																																																																																																																																																																											
*Reduced by Basic Filing Fee Paid																																																																																																																																																																																																																																																																																											
SUBTOTAL (3)					(\$)0.00																																																																																																																																																																																																																																																																																						
SUBMITTED BY				Complete (if applicable)																																																																																																																																																																																																																																																																																							
Typed or Printed Name: NELSEN L. LENTZ				Reg. Number: 38,537																																																																																																																																																																																																																																																																																							
Signature: <i>Nelson L. Lentz</i>				Date: 6/30/03																																																																																																																																																																																																																																																																																							
"Express Mail" mailing label number: 7-03-03 EL230529738US																																																																																																																																																																																																																																																																																											
Date of Deposit: 7-03-03																																																																																																																																																																																																																																																																																											
I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22304-1450.																																																																																																																																																																																																																																																																																											
Printed Name: QUEEN THOMAS				Signature: <i>Queen Thomas</i>																																																																																																																																																																																																																																																																																							